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09/673,423 02/01/2001		Magnus Danielson	AB-1049 US	8631		
32605	7590	11/03/2005		EXAMINER		
		VOK CHEN & HI DRIVE, SUITE 22	MILLS, D	MILLS, DONALD L		
SAN JOSE, CA 95110				ART UNIT	PAPER NUMBER	
				2662		

DATE MAILED: 11/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	' '	i i				
	Office A-4i October 1994	09/673,423	DANIELSON ET	AL. !					
	Office Action Summary	Examiner	Art Unit			1			
		Donald L. Mills	2662						
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).									
Status					1 . 1				
1)⊠	Responsive to communication(s) filed on <u>09 A</u>	uaust 2005.							
·—	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.								
,	Since this application is in condition for allowar		osecution as to the	e merits	is				
,—	closed in accordance with the practice under E								
Dispositi	ion of Claims			1					
4)🖂	Claim(s) 1-8,10-18,20,21,24-26 and 33-41 is/a	re pending in the application.							
	4a) Of the above claim(s) is/are withdraw	wn from consideration.			1 1				
5)□	Claim(s) is/are allowed.				i.				
6)⊠	6)⊠ Claim(s) <u>1-8,10-18,20,21,24-26 and 33-41</u> is/are rejected.								
	Claim(s) is/are objected to.								
8)□	Claim(s) are subject to restriction and/o	r election requirement.			ı				
Applicati	ion Papers				,				
9)[	The specification is objected to by the Examine	er.			, j:	.			
10)	The drawing(s) filed on is/are: a)☐ acc	epted or b) objected to by the	Examiner.						
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Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).									
11)	The oath or declaration is objected to by the Ex	caminer. Note the attached Office	Action or form P	TO-152					
Priority (	under 35 U.S.C. § 119			. 1					
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).									
a) ☐ All b) ☐ Some * c) ☐ None of:									
	1. Certified copies of the priority documents have been received.								
	2. Certified copies of the priority documents have been received in Application No								
	3. Copies of the certified copies of the priority documents have been received in this National Stage								
application from the International Bureau (PCT Rule 17.2(a)).									
* See the attached detailed Office action for a list of the certified copies not received.									
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Attachmen	t(s)								
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)									
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)						1			
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#### **DETAILED ACTION**

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1-5, 10-14, 17, 18, 20, 21, 24-26, and 33-41 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clanton et al. (US 5,734,867), hereinafter referred to as Clanton, in view of Beyda et al. (US 6,058,111), hereinafter referred to as Beyda.

Regarding claims 1 and 21, respectively, Clanton discloses a method for instantaneous preemption of packet data, which comprises:

Allocating a set of time slots to a circuit-switched first channel (Referring to Figure 2, a set of time slots, 0 through 7, are allocated to the downlink channel;)

Associating the allocated set of time slots to said first channel with a first level of priority (Referring to Figure 5, the channel state of the time slot comprises a priority status for indicating a present priority level, comprising at least two levels. See column 4, lines 31-35;)

Clanton does not disclose receiving a request for time slots for a circuit-switched second channel associated with a second level of priority; comparing said first and second levels of priority; and determining whether or not to deallocate time slots from said first channel, and allocate the deallocated time slots to said second channel, based upon said comparison.

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Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claims 2 and 5 as explained in the rejection of claim 1, Clanton and Beyda teach all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose determining to deallocate time slots from said first channel if said second level of priority is higher than said first level of priority.

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Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claim 3 as explained in the rejection of claim 1, Clanton and Beyda teach all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose second level of priority is identified in said request.

Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the

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channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claim 4 as explained in the rejection of claim 1, Clanton and Beyda teach all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose deallocate time slots from said first channel is performed if there are insufficient non-allocated time slots available to satisfy said request.

Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user

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devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claim 10 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose associating the allocation of all time slots allocated to the first channel with the same level of priority.

Clanton teaches assigning a channel state of the time slot including a priority status for indicating the present priority level for a time slot (See column 4, lines 31-34.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the same priority level in the time slots of Clanton. One of ordinary skill

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in the art would have been motivated to do so in order to protect high priority data from interruption.

Regarding claim 11 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose associating the first channel with the first level of priority, resulting in associating the allocation of each time slot allocated to the first channel with the same level of priority.

Clanton teaches assigning a channel state of the time slot including a priority status for indicating the present priority level for a time slot (See column 4, lines 31-34.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the same priority level in the time slots of Clanton. One of ordinary skill in the art would have been motivated to do so in order to protect high priority data from interruption.

Regarding claim 12, the primary reference further teaches associating the allocation of different time slots allocated to the first channel with different levels of priority (Referring to Figure 3, the channel state of the time slot comprises a priority status for indicating a present priority level for a time slot. See column 4, lines 33-34.)

Clanton does not disclose deallocating from the first channel, and allocating to the second channel, only such time slots that have been allocated to the first channel with a level of priority that are lower than said second level of priority.

Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the

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channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claim 13 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim). Clanton does not disclose associating the allocation of time slots allocated to the channel over a first portion of the network with one level of priority and associating the allocation of time slots allocated to the first channel over another portion of the network with another selected level of priority.

Clanton teaches assigning a channel state of the time slot including a priority status for indicating the present priority level for a time slot (See column 4, lines 31-34.)

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It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the varying priority levels across different parts of the network in the time slots of Clanton. One of ordinary skill in the art would have been motivated to do so in order to protect high priority data transmission from interruption and allow low priority data transmission to be interrupted for high priority data transmission.

Regarding claim 14, the primary reference further teaches changing the level of priority associated with the allocation of time slots to the channel as a consequence of changing bandwidth requirements (Referring to Figure 3, the channel state of the time slot comprises a priority status for indicating a present priority level for a time slot, inherently changed to represent the present level of priority, comprising a packet channel type which identifies a busy-idle state. See column 4, lines 33-34.)

Regarding claim 17, the primary reference further teaches selecting the levels of priority based upon the identity of a physical or virtual port or interface to/from which traffic pertaining to the respective channel is delivered (Referring to Figure 3, the channel state of the time slot | comprises a priority status for indicating a present priority level for a time slot, inherently based upon the air interface. See column 4, lines 33-34.)

Regarding claim 18, the primary reference further teaches selecting the levels of priority based upon an identification of the type of application that traffic to be transported in the respective channel pertains to (Referring to Figure 3, the channel state of the time slot comprises a priority status for indicating a present priority level for a time slot, utilized for establishing high priority for instantaneous transmission of short messages and short packets instantaneously. See column 4, lines 33-34.)

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Regarding claim 20, the primary reference further teaches transmitting information on the level of priority associated with the allocation time slots to a channel to one or more other nodes of the network in order for the other node or nodes to be able to switch the channel taking the level of priority into consideration (Referring to Figure 3, subscriber unit A transmits on the corresponding uplink time slot, then the subscriber unit C with higher priority, transmits on the time slot. See column 3, lines 26-30.)

Regarding claim 24, Clanton discloses a method for instantaneous preemption of packet data, which comprises:

Priority assignment means for associating the allocation of time slots to established circuit-switched channels with selected levels of priority (Referring to Figure 5, the channel state of the time slot comprises a priority status for indicating a present priority level, comprising at least two levels, for timeslots in the uplink channel. See column 4, lines 31-35;)

Clanton does not disclose slot allocating means provided to receive requests for time slots and to determine to deallocate time slots from the established channel, for allocation to the requests, based upon a comparison of levels of priority associated with the established channel and levels of priority associated with the requests

Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which

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would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claim 25, the primary reference further teaches a slot utilization table indicating the level of priority associated with the allocation of time slots to established channels (Referring to Figures 1 and 2, the central access manager 108 inherently tracts the priority of the time slots in order to determine when to permit a higher priority message or packet to be transmitted.)

Regarding claim 26, the primary reference further teaches writing information designating that the time slot allocated to the channel is associated with the selected level of priority (Referring to Figure 5, the channel state of the time slot, comprises a priority status for indicating a present priority level, is created. See column 4, lines 31-35.)

Regarding claims 33 and 35, the primary reference further teaches specifying different traffic service classes based upon said priority levels when operating a communication network

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(Referring to Figure 3, the channel state of the time slot comprises a priority status for indicating a present priority level for a time slot, utilized for establishing high priority for instantaneous transmission of short messages and short packets instantaneously. See column 4, lines 33-34.)

Regarding claims 34 and 36, the primary reference further teaches providing channel prioritization based upon said priority levels when interconnecting ports of a data switching or routing apparatus (Referring to Figures 1 and 2, the channel state includes a channel type and the priority level of the time slot, for connecting ports of the central access manager. See column 2, lines 64-65.)

Regarding claims 37-39 as explained in the rejection of claim 1, Clanton and Beyda teach all of the claim limitations of claim 1 (parent claim).

Clanton does not teach wherein said method is performed at a node of the network and wherein the request is received from another node of the network.

Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel

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transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement the droppable switching circuit method/apparatus of Beyda in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to transmit high priority messages through channel reassignment with minimal overhead as taught by Clanton (See column 1, lines 34-36,) and Beyda (See column 1, lines 33-37.)

Regarding claim 41 as explained in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose defining the level of priority for the allocation of time slots to one or more of said channels so that a higher level of priority is assigned for allocation of time slots to channels carrying traffic pertaining to real-time applications, such as voice or video applications, whereas a lower level of priority is assigned for allocation of time slots to channels carrying bursty data traffic.

Clanton teaches allowing users to transmit on the uplink channel based upon ownership of the timeslot based upon a higher priority (See column 3, lines 13-16.) Clanton teaches allowing a higher priority subscriber unit to transmit based upon the central access manager's assigning the time slot to the higher priority subscriber unit over the channel (See column 4, lines 25-30.) Beyda teaches a circuit switched system wherein user devices are able to identify a particular communication as having a higher or lower level of priority. The lower priority level channels are identified as being "droppable." During communication on a particular channel, if

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another user device desires communication, which would require use of the already used channel, a network supervisor determines whether or not the previously used channel is identified as being droppable. If the currently used channel is identified as being droppable, the network supervisor is configured to cause the channel transmission to end and to allow the establishment of the subsequent channel (See Figure 1, column 2, lines 33-59.)

It would have been obvious to one of ordinary skill in the art at the time of the invention to implement higher priority to voice traffic over data traffic in the system of Clanton. One of ordinary skill in the art at the time of the invention would have been motivated to do so in order to prioritize delay sensitive traffic such as voice traffic ahead of data traffic, which is not as sensitive to delay.

3. Claims 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clanton et al. (US 5,734,867), hereinafter referred to as Clanton, in view of Beyda et al. (US 6,058,111), hereinafter referred to as Beyda, further in view of Chan (US 5,790,551).

Regarding claim 6 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose determining whether to deallocate the time slots from the first channel based upon an evaluation regarding to which channel a time slot was last allocated.

Chan teaches sending a request for assignment of a channel for transmission of data, comprising a particular frequency/time slot, and the network responds with the identification of a particular channel, after reviewing all time slots including those that may have been previously

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allocated, that may be used for a particular time period to transmit data (See column 1, lines 61-66.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the method for preemption of Clanton in the system of Chan. One of ordinary skill in the art would have been motivated to do so in order to send short messages and high priority short packets instantaneously without going through a contention process (See column 1, lines 35-38.)

Regarding claim 7 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim). Clanton does not disclose deallocating time slots from the first channel based upon an evaluation regarding to which channel a time slot has been allocated the longest period of time.

Chan teaches sending a request for assignment of a channel for transmission of data, comprising a particular frequency/time slot, and the network responds with the identification of a particular channel, after reviewing all time slots including those that may have been previously allocated for extended periods of time, that may be used for a particular time period to transmit data (See column 1, lines 61-66.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the method for preemption of Clanton in the system of Chan. One of ordinary skill in the art would have been motivated to do so in order to send short messages and high priority short packets instantaneously without going through a contention process (See column 1, lines 35-38.)

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Regarding claim 8 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose deallocating the time slots from the first channel based upon an evaluation regarding from which channel a time slot was last deallocated.

Chan teaches sending a request for assignment of a channel for transmission of data, comprising a particular frequency/time slot, and the network responds with the identification of a particular channel, after reviewing all time slots including those that may have been previously deallocated, that may be used for a particular time period to transmit data (See column 1, lines 61-66.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the method for preemption of Clanton in the system of Chan. One of ordinary skill in the art would have been motivated to do so in order to send short messages and high priority short packets instantaneously without going through a contention process (See column 1, lines 35-38.)

4. Claims 15, 16, and 40 are rejected under 35 U.S.C. 103(a) as being unpatentable over Clanton et al. (US 5,734,867), hereinafter referred to as Clanton, in view of Beyda, in further view of Kusano et al. (US 5,933,422), hereinafter referred to as Kusano.

Regarding claims 15 and 40 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose determining the priority by which the channels are to be reestablished in case of channel failure based upon their respective levels of priority.

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Kusano teaches a communication network recoverable from link failure using prioritized recovery classes comprising a path management table 80 where virtual paths comprises a fault recovery class with three levels of priority indicating which paths are to be recovered (See column 3, lines 24-28.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the prioritized fault recovery method of Kusano in the system of Clanton. One of ordinary skill in the art would have been motivated to do so in order to guarantee necessary bandwidth for continued operation in the event of a failure during the transmission of a message or packet in system comprising multiple uplink and downlink channels.

Regarding claim 16 as explained above in the rejection statement of claim 1, Clanton and Beyda disclose all of the claim limitations of claim 1 (parent claim).

Clanton does not disclose determining a degree of redundancy requested for the channels based upon their respective levels of priority.

Kusano teaches a communication network recoverable from link failure using prioritized recovery classes comprising a path management table 80 where virtual paths comprises a fault recovery class with three levels of priority indicating which paths are to be recovered (See column 3, lines 24-28.)

It would have been obvious to one of ordinary skill in the art at the time the invention was made to implement the prioritized fault recovery method of Kusano in the system of Clanton. One of ordinary skill in the art would have been motivated to do so in order to

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guarantee necessary bandwidth for continued operation in the event of a failure during the transmission of a message or packet.

## Response to Arguments

5. Applicant's arguments with respect to claims 1-8, 10-18, 20, 21, 24-26, and 33-41 have been considered but are most in view of the new ground(s) of rejection.

#### Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donald L. Mills whose telephone number is 571-272-3094. The examiner can normally be reached on 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hassan Kizou can be reached on 571-272-3088. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Donald L Mills

Dem

October 27, 2005

JOHN PEZZLO PRIMARY EXAMINER

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